AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application:

Listing of Claims:

1. (Currently amended) A <u>processor-implemented</u> method of automating an identification and type information configuration for a real-time data feed <u>to a database in a database management system</u>, comprising:

automatically creating<u>, at run time based on the real-time data feed,</u> trigger <u>query</u> statements ~~for the real-time data feed~~ <u>for execution in the database</u>; and

automatically deriving a type information for the real-time data feed from ~~a column~~ <u>the data feed</u> being loaded<u> at run time, without apriori knowledge of the type information prior to the execution of the trigger query statements in the database</u>.

2. (Currently amended) The method of claim 1, wherein the trigger <u>query</u> statements comprise an insert <u>query</u> trigger.

3. (Currently amended) The method of claim 1, wherein the trigger <u>query</u> statements comprise a plurality of update <u>query</u> triggers.

4. (Currently amended) The method of claim 1, ~~wherein the feed is loaded to a database; and~~ further comprising building a data structure for a database <u>query</u> trigger.

5. (Original) The method of claim 4, further comprising converting the data structure to a type descriptor, in order to identify a type of data that the data structure is expected to hold.

6. (Original) The method of claim 5, further comprising extracting a sub-type descriptor from the type descriptor, to automatically find the type of data being loaded by the real-time data feed.

7. (Currently amended) The method of claim 6, further comprising storing ~~the~~ a type name for the data feed, to automatically find the type of data being loaded by the real-time data feed.

8. (Original) The method of claim 1, further comprising getting a table name and a column name being populated by the real-time data feed.

9. (Original) The method of claim 4, wherein the type information and an extended identification that is referred to as extended-id, are obtained from a system catalog to build the data structure.

10. (Currently amended) The method of claim 1, further comprising getting a plurality of unique pairs of a plurality of table names and a plurality of column names for which query triggers will be automatically created.

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11. (Currently amended) A <u>processor-implemented</u> system for automating an identification and type information configuration for a real-time data feed <u>to a database in a database management system</u>, comprising:

means for automatically creating<u>, at run time based on the real-time data feed,</u> trigger <u>query</u> statements <s>for the real-time data feed</s> <u>for execution in the database</u>; and

means for automatically deriving a type information for the real-time data feed from <s>a column</s> <u>the data feed</u> being loaded <u>at run time, without apriori knowledge of the type information prior to the execution of the trigger query statements in the database</u>.

12. (Currently amended) The system of claim 11, wherein the trigger <u>query</u> statements comprise an insert trigger.

13. (Currently amended) The system of claim 11, wherein the trigger <u>query</u> statements comprise a plurality of update triggers.

14. (Currently amended) The system of claim 11<s>, wherein the feed is loaded to a database; and</s> further comprising means for building a data structure for a database <u>query</u> trigger.

15. (Original) The system of claim 14, further comprising means for converting the data structure to a type descriptor, in order to identify a type of data that the data structure is expected to hold.

16. (Original) The system of claim 15, further comprising means for extracting a sub-type descriptor from the type descriptor, to automatically find

the type of data being loaded by the real-time data feed.

17. (Currently amended) The system of claim 16, further comprising means for storing ~~the~~ a type name for the data feed, to automatically find the type of data being loaded by the real-time data feed.

18. (Original) The system of claim 11, further comprising means for getting a table name and a column name being populated by the real-time data feed.

19. (Original) The system of claim 14, wherein the type information and an extended identification that is referred to as extended-id, are obtained from a system catalog to build the data structure.

20. (Currently amended) The system of claim 11, further comprising means for getting a plurality of unique pairs of a plurality of table names and a plurality of column names for which query triggers will be automatically created.

21. (Currently amended) A computer program product having
<u>executable</u> instruction codes embedded on a <u>computer-usable</u> medium for
automating an identification and type information configuration for a real-time
data feed <u>to a database in a database management system</u>, comprising:

a first set of instruction codes for automatically creating<u>, at run time
based on the real-time data feed,</u> trigger <u>query</u> statements ~~for the real-time
data feed~~ <u>for execution in the database</u>; and

a second set of instruction codes for automatically deriving a type
information for the real-time data feed from ~~a column~~ <u>the data feed</u> being
loaded <u>at run time, without apriori knowledge of the type information prior to
the execution of the trigger query statements in the database</u>.

22. (Currently amended) The computer program product of claim 21,
wherein the trigger <u>query</u> statements comprise an insert <u>query</u> trigger.

23. (Currently amended) The computer program product of claim 21,
wherein the trigger <u>query</u> statements comprise a plurality of update <u>query</u>
triggers.

24. (Currently amended) The computer program product of claim 21,
~~wherein the feed is loaded to a database; and~~ further comprising a third set of
instruction codes for building a data structure for a database <u>query</u> trigger.

25. (Original) The computer program product of claim 24, further
comprising a fourth set of instruction codes for converting the data structure to
a type descriptor, in order to identify a type of data that the data structure is
expected to hold.

26. (Original) The computer program product of claim 25, further comprising a fifth set of instruction codes for extracting a sub-type descriptor from the type descriptor, to automatically find the type of data being loaded by the real-time data feed.

27. (Currently amended) The computer program product of claim 26, further comprising a sixth set of instruction codes for storing ~~the~~ a type name for the data feed, to automatically find the type of data being loaded by the real-time data feed.

28. (Original) The computer program product of claim 21, further comprising a seventh set of instruction codes for getting a table name and a column name being populated by the real-time data feed.

29. (Original) The computer program product of claim 24, wherein the type information and an extended identification that is referred to as extended-id, are obtained from a system catalog to build the data structure.

30. (Currently amended) The computer program product of claim 21, further comprising an eight set of instruction codes for getting a plurality of unique pairs of a plurality of table names and a plurality of column names for which <u>query</u> triggers will be automatically created.